



# Avionics/Intelligence and Electronic Warfare Bulletin



*"Serving the Needs of the Army's A/IEW Community"*

Volume 1, Issue 3

October 2000

## Intelligence Fusion Systems and Field Software Services Support

### Tomorrow's Tools for Today's Warfighter (Part II)

*In* the last issue of the "A/IEW Bulletin", we looked at the organization and responsibilities of the Intelligence Fusion Systems (IFS) Branch's Field Software Service Support (FSSS) team. In this second of a two-part series, we will examine the major functions of the FSSS, as well as the role they play in the garrison, during exercises and in contingency operations.

### Major FSSS Functions

*FSSS* supports sustained computer processing operations in garrison and/or field environments during peacetime or war. FSSS is required to perform eight specific tasks until such time as military personnel have been adequately trained or until the system architecture and utilities permit soldier operators to sustain computer processing operations without assistance. The following FSSS core functions are the Warfighters' support tools under the IFS support concept:

*Install New Software Releases.* FSSS engineers install software versions or updates released by IFS on fielded systems. All software is installed and verified on delivered equipment prior to being released to the unit.

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#### *Conduct Normal Automated Data Processing*

*Support Functions.* FSSS engineers prepare and maintain backup media for system-specific databases and system executable disks, table and database maintenance, monthly database backup and restoration, and system initialization. Other tasks entail listing file/disk directories, executing Operating System (OS) software diagnostics, and viewing file contents to assess system problems.

#### *Investigate User-Reported Software Problems.*

FSSS engineers assist units in identifying and resolving operational and software problems by ensuring that the problems are not related to operator errors or to a condition inadvertently introduced during normal operations. Once the problem has been identified as a system software problem, the FSSS engineer assists in the preparation of a Software Problem Report.

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## From the Senior Editor's Desk

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*Written by Mr. Joseph Ingrao, A/IEW Division Chief*

### Lifelong Learning



*Beyond* the horizon is a workplace that is very different from today's workplace. Some people see beyond the horizon and into the future. They stand firm against the winds of resistance and give us the courage to continue the quest. We call these people leaders.

*In* order to become such a person it is necessary to know the common practices of these leaders. Leadership is, after all, a set of skills. Any skill can be strengthened, honed, and enhanced if we have the proper motivation and desire, along with practice and feedback, role models and coaching.

*I* truly believe and am certain that effective leaders are constantly learning. They see all experiences as *learning* experiences, not just those in a formal classroom or workshop. They're constantly looking for ways to improve themselves and their organizations. There is no suitable substitute for learning by doing. Whether it's facilitating your team's meetings, leading a special task force, or chairing your professional association's annual conference, the more chances you have to serve in leadership roles, the more likely it is that you'll develop the skills to lead. Only by doing can you learn those important leadership lessons that come from the failures and successes of live action.

*We* can all be better leaders by strengthening our interpersonal skills and our strategic thinking capabilities. Take programs offered by your organization. Even if your own organization has great programs, remember that we often need to get away from our day-to-day work to get some perspective. Knowledge and skill, like other assets, depreciate in value if left untended. The key to success for all of us is in the familiar expression "lifelong learning"

## IFS and FSSS (cont.)

***Support Site-Specific Requirements.*** FSSS engineers load Technical Extracts from Traffic Analysis (TEXTA), Electronic Parameter Listing (EPL), Modernized Intelligence Data Base (MIDB), and other site-specific data provided by their supported units. They also assist each unit in developing, loading, and maintaining site-specific files, tables, and exercise data. The FSSS engineers serve as the liaison between the supported unit, the RSSA, and the depot and are required to keep the Operations Center apprised, via their region, of any items that may be of interest to IFS.

***Provide Exercise Support.*** FSSS engineers support all garrison and field exercise activities on a scheduled and preapproved basis. They resolve software-related problems and work closely with hardware maintenance personnel to keep the entire system operational. Since each exercise is unique, planning and coordination are required between the unit and FSSS engineers to ensure their availability during the most critical events within the exercise.

***Provide Assistance for Operator Training.*** FSSS engineers provide instruction for designated IFS-supported systems during initial unit training. Other FSSS support includes new software release (Delta Training) and unit software sustainment training.

***Load Map Data for Unit-Specific Areas.*** Upon receipt of map data requested by the unit, FSSS personnel load the data on systems and verify that the information is complete. All unit All Source Analysis System-All Source (ASAS-AS) and All Source Analysis System-Remote Workstation (ASAS-RWS) digitized map data requests are processed through the Project Management Office Intelligence Fusion (PMO Intel Fusion).

***Additional On-site Support.*** In addition to the ASAS software mission, FSSS engineers provide software support to the Trojan Special Purpose Integrated Remote Intelligence Terminal (SPIRIT), ASAS-RWS, Digital Topographic Support System (DTSS), and Integrated Meteorological System (IMETS). Currently, dedicated IMETS and DTSS support is available in the Eastern, Central, Western, European, and Asian regions. FSSS has DTSS support in the Southeast region.



## Tiger Team Support

***The*** FSSS organization is supplemented by a Tiger Team that provides short-notice, mission-critical skills. The Tiger Team mission is to resolve challenges associated with supporting multiple intelligence fusion, terrain and weather Mission Critical Computer Resources (MCCR). They rapidly respond to user problems to create temporary solutions to user-requested enhancements or anomalies that create significant degradation in the unit's mission.

## IFS - Worldwide Supported Operations

*IFS*, through FSSS support, maintains an impeccable response record for exercises, contingencies, and combat operations. When U.S. armed forces entered Bosnia Herzegovina in 1996, FSSS engineers were alerted to provide software support to the initial elements of Task Force Eagle. Originally anticipated to be a short deployment, the support has continued to the present. FSSS task organized teams with the proper skill sets from Central Europe and the U.S. to provide continuous support for this changing and evolving mission. While simultaneously supporting operations in Bosnia, engineers were tasked to support operations in the Balkans, and the support package was tailored for combat operations in Kosovo.

*In* 1998, FSSS was tasked to support contingency operations through deployments to U.S. Central Command's (CENTCOM) area of responsibility in the Kuwait Theater Operations. FSSS engineering teams in the U.S. joined deploying forces flowing to Kuwait. IFS has tasked organized, deployed, and redeployed teams to Kuwait on numerous occasions to meet support requirements of the deployed forces and currently maintains a permanent presence in Kuwait at the direction of CENTCOM.

*In* 1999, FSSS engineers supported over 213 military exercises and real-world operations. Their deployments provided dedicated software support to Operation Joint Guardian in Kosovo; Desert Fox in Kuwait; Joint Forge in Bosnia; Prairie Warrior, Corps and Division Warfighters, and Fuertes Defensas; Yama Sakura in Japan; Cobra Gold in Thailand; and 22 major Korean Joint/Combined exercises, including Ulchi Focus Lens and Foal Eagle. Additionally, FSSS Engineers provided software support to over 1830 workstations and systems worldwide in 1999 and assumed the software support for the Army's new ASAS-RWS Block II.

*IFS* also assisted in providing FSSS support to the 49<sup>th</sup> Armored Division, Texas National Guard (NG), and the Third Armored Cavalry Regiment during their one-year predeployment training for Bosnia.

## One Stop Shopping – IFS Support Experiences

FSSS program provides full IEW support capabilities to include software, design, development, and implementation. IFS has achieved a definable pre-eminence in the following core competencies and can provide unique value to the IEW community:

- Extensive knowledge of tactical IEW information data flow;
- Extensive knowledge of interfaces to Army Communications infrastructure;
- Unique experience in Life Cycle Software Support of fielded Intelligence Systems;
- Experience in training and interfacing with ASAS and GUARDRAIL field operators;
- Experience with embedded training systems/software;
- Experience with modeling, simulation, and stimulation of ASAS and GUARDRAIL system elements;
- Experience with system security accreditation;
- Experience designing, developing and maintaining diagnostic (fault detection and isolation) systems/software; and
- Experience designing, maintaining, and operating Software Engineering Environments.

## Conclusion

**The** IFS's FSSS programs and initiatives are providing today's Warfighter with the IEW multiplier of the 21<sup>st</sup> Century. Ensuring that all Intelligence OSs are efficient and reliable is our goal. As the Army transforms to smaller, more mobile forces that are capable of deploying quickly, improved efficiency in our software engineering processes is our primary challenge. IFS is confident that their FSSS engineers are prepared and ready to support these demanding tasks worldwide.

**Intelligence** success or failure on the battlefield depends upon how IEW resources are employed and sustained. Supporting the Warfighter remains our mission in the 21<sup>st</sup> century.

*Written by Mr. William R. Walker, CECOM SEC IFS*

*Missed the first part of this article? Visit the ARAT Web at <http://arat.iew.sed.monmouth.army.mil/> and click on the link to the July 2000 edition of the "A/IEW Bulletin".*

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## Surveillance Branch Helps Keep Intel "Out Front"

**The** Army's goal of placing the finest technology in the hands of today's soldiers doesn't always involve the fielding of new systems. In an era of budget constraints, the Army must build upon fielded systems to provide commanders with the intelligence they need to be successful on the battlefield. Also, the Army must provide realistic training, despite funding limitations, to keep system operators and maintainers proficient in their skills. Put these two facts of life together with an ever-increasing operational tempo and you have a challenge that would bring many armies to a halt. But not our Army, thanks in part to some of the latest efforts of the A/IEW Division's Surveillance Branch. Here are four recent software releases from the Surveillance Branch that continue to put Army Intelligence "Always Out Front":

### Common Ground Station Computer Based Trainer (CGS CBT)

**Working** on behalf of Project Manager (PM) Common Ground Station, the Surveillance Branch completed and released the CGS CBT, Version 1.0.0, to the CGS New Equipment Training (NET) Team, Operator Trainers at the Army's Intelligence School at Ft. Huachuca, and users in the field. This initial version of the CD-ROM based CGS CBT is an interactive virtual system designed for developing, maintaining and enhancing the skills of the system operator. The application incorporates realistic 3D hardware views, true-to-life physical, electrical, and logical manipulations, hardware familiarization modules, and actual operational system responses. It provides system orientation and operation experience without requiring access to limited and expensive system hardware, minimizes the need for field assets to be used in the classroom, and





provides CGS users in the field with a supplemental training asset previously unavailable. It is now successfully being used as part of the CGS Operator Training class at Ft. Huachuca, and as part of the CGS NET Team efforts for scripted installation and onsite operator training. The next phase of the development lifecycle is currently under way, with plans for the next release to be in October 2000.

## Commanders' Tactical Terminal - Three Channel (CTT3) Revision D Software Release Notes

*On* behalf of PM Joint Tactical Terminal/Common Integrated Broadcast Service-Modules (JTT/CIBS-M), the Branch completed and began distributing CTT3 Revision D (Rev. D) Software Release Notes to CTT3 users and host system/software maintainers. These release notes, non-existent on prior CTT3 releases, cover a wide range of topics including:

- Description of the changes incorporated into the CTT3 Rev. D software baseline to support new Integrated Broadcast Service (IBS) legacy network requirements and protocols;
- Corrections to previous CTT3 baseline anomalies;
- Impact of the CTT3 Rev. D changes on the CTT3 Host Tactical Data Processor (TDP) (e.g. Joint STARS CGS, Joint Tactical Ground Station (JTAGS), etc.) software;
- Utilization of User Specific Processor (USP) software;
- Additional hybrid host message changes that are independent of the CTT3 software revision used; and
- Possible problems that have been observed, to date, when utilizing the CTT3/USP Interface Guidelines to aid the users and host system/software maintainers in their determination to install or not install CTT3 Rev. D, with/without installing USP 9A, and/or with/without requiring a Host TDP software update.



*PM JTT/CIBS-M* and Raytheon, St. Petersburg, FL, the developer and maintainer of the CTT3 software, played an integral part in assisting SEC in preparing these release notes. Feedback to date has been extremely positive.

## AN/TRQ-32A(V)2 TEAMMATE Receives WGS-84 and Software Installation Tool Upgrade



*To* ensure that TEAMMATE produces accurate emitter location reports while interoperating with other Signal Intelligence Systems worldwide, the Branch successfully implemented and fielded a software release that incorporates emitter location processing utilizing the World Geodetic System 1984 (WGS-84) reference. Also included in this release were minor corrections to the North American Datum (NAD27), the removal of obsolete tasking and reporting message formats, and changes to the man-machine interface (MMI) as requested by field users. Additionally, to improve field maintainability and usability, the Branch took advantage of low cost, commercially available products and changed the software installation method. To better serve the soldier, Branch engineers migrated the method from a cumbersome, multi-floppy diskette based package (that utilized a three and one-half inch disk drive) to a user friendly, automated single compact disk (CD) based package utilizing a CD reader.

## AN/PRD-12 MANPACK Receives WGS-84 Upgrade and the HF Emitter Location Capability Restored

*To* help the Army maintain its OPTEMPO, the Branch successfully responded to a CECOM Logistics Readiness Center's (LRC) request to resolve the loss of the AN/PRD-12's High Frequency (HF) location capabilities discovered during their installation of the MANPACK UHF/VHF antenna Modification Work Order (MWO). Although the Government did not have a software baseline or support environment in existence to resolve the reported software problem, Branch engineers were able to obtain the source code and proceeded to establish a software support environment using commercially available products. After analyzing the source code and the operation of the system, the errors that prevented establishment of Lines of Bearings (LOBs) in the HF range were quickly located and corrected. In addition to this fix, engineers incorporated emitter location processing utilizing the WGS-84 reference and corrected a minor error to the NAD27. Finally, an error that prevented manual fix operations from functioning in both the single and multi-station (network) modes was corrected. After successfully field-testing the system at the Tobyhanna Army Depot, the operational software containing the corrections and enhancements was delivered to CECOM LRC, and their fielding of the MWO was resumed. As a result of the ingenuity of the engineering team, the AN/PRD-12 software is now supportable by the CECOM SEC, who stands ready to respond to field users request for support.



*If* you would like more information on these four efforts, contact the following POCs:

**CGS CBT:**            *Saeed Sofla*        *DSN 992-7413, E-mail: saeed.sofla@mail1.monmouth.army.mil*

**CTT3 REV D:**        *David Cruz*        *DSN 992-8196, E-mail: david.cruz@mail1.monmouth.army.mil*

**TEAMMATE and  
MANPACK:**        *Mrunal Shah*        *DSN 987-6135, E-mail: mrunal.shah@mail1.monmouth.army.mil*

*Adapted from the "C4IEWS TEAM News Report", Jan-Jun 2000*

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## On the Road Again - Taking ARAT to the User!

*In* just nine weeks, members of the Electronic Combat Branch's (ECB) Army Reprogramming Analysis Team (ARAT) support staff literally took the reprogramming message around the world from Korea to Germany, from New Jersey to Las Vegas. They racked up the miles in an effort to train as many Electronic Warfare Officers (EWOs) as possible and to spread the word about the benefits of rapid reprogramming to those who support the Warfighter. The following articles highlight the accomplishments during two stops on the ARAT's latest "tour of the world".

### Korean Software Support Office (KSSO) Prepared to Act as In-Theater EWO Support

*After* 25 hours of travel, I finally arrived at the Capital Hotel in Pyontaek, Korea. Ms. Lin, the owner of the hotel, made me feel right at home with a greeting of "Welcome to Korea, Michael". For those of you that have not been to South Korea, it is a lovely place to visit in August. Now for those of you that have had the opportunity, you know I am slightly exaggerating. With temperatures in the 90's and 100% humidity, not to mention a variety of interesting smells, what more could one ask for? However, this was not a vacation, but a mission to continue training KSSO as an ARAT assistance and training mechanism for EWOs in theater.

### The Mission

*The* training mission, accomplished during the first week of August, was an ECB funded effort to continue the establishment of the KSSO as the main in-theater POC for EWO support. In an ongoing effort, which began in 1999, the ECB supports the KSSO by proving Army EWOs the capability to connect with and use established and well-proven medium for ARAT information and Mission Data Set (MDS) distribution. The two primary tools for the EWOs are the Multi-Service Electronic Warfare Bulletin Board System (MSEWBBS), managed jointly by the Army and Air Force at Eglin AFB, FL, and the ARAT WEB, located at Ft. Monmouth,





NJ. The MSEWBBS, as the name implies, is a dial-in BBS that provides access to downloadable MDS and pertinent threat data. The ARAT WEB server resides on the Secure Internet Router Protocol Network (SIPRNET) and links users to the MSEWBBS and other threat and ARAT informational resources.

*Although* the ECB has an objective to establish the KSSO as an in-country ARAT focal point for the EWO community, the ultimate goal has been, and will always be, for the user to directly access ARAT services and download MDSs themselves. However, as a result of the

logistics of trying to support the EWO community in Korea from Ft. Monmouth, as well as the lack of quality commercial or Class A DSN phone lines, it is essential that we establish the KSSO office as a local ARAT assistance hub.

## The Goals

*The* first of this training mission's goals was accomplished when KSSO personnel successfully used the ruggedized GETAC laptop and STU-III, both provided to the KSSO by the then ARAT-Project Office, to establish connectivity to MSEWBBS and the ARAT Web server. This proved that the critical communication link, without which reprogramming data does not get into the hands of the user, could be established and that the KSSO was ready, if needed, to support the Warfighter. Once connected, the KSSO personnel downloaded MDSs in support of concurrent flight tests at the 3<sup>rd</sup> Military Intelligence (MI) Battalion (Bn) at Camp Humphreys.

*With* the MDS on-hand, the KSSO then uploaded the data into the 3<sup>rd</sup> MI BN's AN/APR39-A(V)1 Radar Signal Detecting Set using the GETAC laptop and EWOS2000 Memory Loader/Verifier (MLV) software (see picture to right). Mission #1 accomplished - reprogramming was executed by the KSSO in a rapid manner in support of the Warfighter!



*Mr.* Gary Clerie, ECB Chief, expanded our efforts on this trip and thus established our second goal-user training. We invited, through the prior efforts of the KSSO, any unit interested in traveling to the 3<sup>rd</sup> MI Bn for training on the operational aspects of AN/APR-39A(V)1, ARAT Communications Infrastructure connectivity and usage, and to address any concerns from aviators. Mr. Peter McGrew (SRI) and myself conducted these ARAT briefings and demonstrations which included EWOs from the 3<sup>rd</sup> MI Bn, the 1-52<sup>nd</sup> Aviation Bn, and the 2-52<sup>nd</sup> Aviation Bn. The training was very successful in proving, to the Warfighter, the benefits and ease of accessing needed MDSs from the MSEWBBS and uploading the software to the AN/APR-39A(V)1 using ECB-provided MLV software.

*I* want to thank LTC Anton Massinon and CPT Kevin Powers of 3<sup>rd</sup> MI Bn for hosting and coordinating our visit to their unit. I would also like to thank Ms. Jennifer Farris, KSSO Chief, and Mr. Sok Kim (Telos) for their time in allowing me to train the KSSO staff to be the "front line" support for units that are unable to get connectivity to MSEWBBS and ARAT web due to lack of quality phone lines or STU-IIIs. For units in Korea, contact information for the KSSO is:

**KSSO Office**  
**Ms. Jennifer Farris**  
**HSC 3MI BN, 501st MI BDE**  
**Box 508 Unit 15220**  
**APO AP 96271**  
**Phone:**  
**DSN: 315-723-2221**  
**Com: 011-82-11-780-5750**

**Fax:**  
**DSN: 315-753-7417**  
**Com: 011-82-31-691-7870**

*Remember* that our goal is to have units independently capable of getting connectivity to the MSEWBBS and ARAT Web by use of a classified laptop and STU-III. We realize that, in some cases, equipment or communication lines are lacking. In those cases, please contact the KSSO so you can ensure that the latest MDS is uploaded in all of your AN/APR-39A(V)1s.

*We* also realize that there were many units in Korea that voiced interest in receiving ARAT training in the near future. Please let the KSSO know of your interest so training can be arranged. Alternative means of providing this training are currently being investigated to ensure that all aviators in-theater can take advantage of the ease of accessing MDS and reprogramming data.



*With* the mission accomplished, it was back to the heat, humidity and interesting smells of New Jersey.

*Written by Mr. Michael Crapanzano, ILEX Systems*

## AAAA Symposium Provides Opportunity to Hear EWOs Concerns

**The** Army Aviation Association of America (AAAA) held its annual Avionics and Aircraft Survivability (ASE) Symposium at the Sheraton Hotel in Eatontown, NJ from the 26<sup>th</sup> to the 28<sup>th</sup> of September. AAAA Symposia are never at a loss for notable speakers and highly informative topics, and this year's ASE Symposium was no exception. Addressing the over 220 attendees were, among others, MG Robert Nabors (Commander of CECOM), MG Carl McNair (Ret.) (President of the AAAA), MG Joseph Bergantz (Program Executive Officer, Aviation), BG Virgil Packett II (Deputy Commanding General of the U.S. Army Aviation Center and Ft. Rucker) and Mr. Anthony Grieco (Deputy Director of EW, Office of the Under Secretary of Defense for Acquisition and Technology).

**This** year's gathering also provided guest speakers who provided overviews on the status of emerging ASE systems such as the ATIRCM, SIRFC AVR-2 and ASET. Other speakers addressed issues such as Anti-Helicopter mine systems, laser detection technology, digitization and the Open Architecture for Avionics.

**Perhaps** the main highlight of the symposium, from the Division's ECB's perspective, was the opportunity to talk to many of the over 25 EWOs in attendance. Members of the ECB's ASE and ARAT support staffs took advantage of the gathering to speak, first-hand, with many of the EWOs who came from as far as Korea, Hawaii and Germany. The EWOs, as well as all other attendees, learned about the capabilities of the ARAT communications infrastructure and got to see a demonstration of user reprogramming through the use of the EWOS2000 software, Memory Loader/Verifier kit and an AN/APR-39A(V)1 on an MX-9848A test bench. Those EWOs who didn't already have the *ARAT Software and Documentation Toolbox* or the *Mission Data Set Training* CDs received copies of both to take back to their units.

### We Hear You

**The** EWOs who attended asked many pertinent questions, some of which were answered on the spot, some of which requiring additional research. The following is a list of some of the questions, as well as the answers available at press time:

- ***Q. Can units use the "NTC" MDS at the JRTC and the CMTC? If so, can it be renamed "Training Center", not "NTC" MDS?***
- ***A. In the user notes for the NTC MDS, there is a statement that this MDS can be used with any ASET IV --- which are at the NTC, JRTC and CMTC. If this statement is unclear, please let the ARAT-TA know and they will reword the notes and/or possibly change the regional designation of the MDS to something other than "NTC".***
- ***Q. Can a MDS(s) be developed for CONUS training missions (not NTC, JRTC or ASET related)?***
- ***A. The ARAT-TA has been addressing this issue for the past year. They are attempting to get pertinent data on the various radars operating in CONUS that a pilot would encounter in a non-Training Center environment. The process has been slow but they are continuing to address this***

*matter. We will keep you informed, in future issues of the A/IEW Bulletin, as to the developments in this area.*

- *Q. How can units get the computers and secure communications devices needed to access the ARAT Communications Infrastructure?*
- *A. Both computers and the secure communications devices are the unit's responsibility to acquire. We can, however, provide you with some guidance on how to obtain both. For computers, look at page 14 of this Bulletin for one suggested approach. For secure communications devices, consult the "EWO's Guide to the Reprogramming of Radar Signal Detecting Sets". If you don't have this guide, see page 15 for instructions on how to order the "ARAT Software and Documentation Toolbox", which contains a copy of the document.*
- *Q. Can we put more onto the ARAT SIPRNET, of mission value to the EWO, other than just a link to the MSEWBBS?*
- *A. Yes. Based on your suggestions, we will investigate the best way to get you the information you need. Keep reading the A/IEW Bulletin for developments in this area.*

*We* are working on answers to the following questions and will try to put them in the next *A/IEW Bulletin* issue:

- *Q. How can units get MX test benches at the Battalion level?*
- *Q. Can an extension cable be added to the processor's J3 port to make it easier to reprogram when the port faces away from the operator?*
- *Q. How can units get additional/spare UDMs?*
- *Q. What is the solution for the background BIT test issue?*

## Thank You, EWOs

*Thank* you for your questions and comments about what ARAT has to offer. As you can see by the answers above, we are taking your comments seriously and trying to find answers and solutions.

*Please* don't wait until the next AAAA Symposium to tell us how you feel or to ask questions. Contact the ECB anytime to let us know how we can better serve you. Look on pages 15 and 16 for contact information for both the Rapid Reprogramming Communications Infrastructure Laboratory (R2CIL) and the Branch office who will gladly field your questions and offer the support you need.

*Written by Mr. Joseph Skarbowski, ILEX Systems*



## A/IEW Web Site Receives a Complete Makeover



***The*** A/IEW Software Engineering Support Division's Web Site has now been updated with the latest information on the Division's six branches. The homepage includes an organization chart displaying the Division Chief's office and his branches: Electronic Combat, Avionics, Sensors, SIGINT/Surveillance, GUARDRAIL, and Intelligence Fusion.



**You** may find information about each branch by clicking on either the division chart itself, or on the link of your choice in the menu bar on the left. For easy and convenient navigation, a menu is always located

on the left side on any page you visit. Also, there is a "Back" button on the bottom of every page to guide you back to the previous page you visited.

*Other* features of the improved Web Site include a site map of the entire site detailing what information can be found where. Additionally, in the near future, we will add a search engine to help you search the site to find the location of whatever information you are looking for.

*Not* only will you find it easier to use the new Web Site, but you will also see that there is a wealth of information that can be found there. The branch has its own section, with links to the branches' members, overview, organization, systems, services and related topics. Example features of these sections include:

- **Branch Members** - Each member's commercial and DSN phone numbers, fax number, e-mail address and, for select members, biography and picture.
- **Branch Overview** - Overview and updated briefings of the branch that can be viewed on a web browser and/or downloaded for future reference.
- **Branch Systems** - Each systems' description, picture and POCs.

*Come* check out the Division's new Web Site at [www.iew.sed.monmouth.army.mil](http://www.iew.sed.monmouth.army.mil), and send your suggestions, comments and questions to us at:

[AIEW\\_webmaster@arat.iew.sed.monmouth.army.mil](mailto:AIEW_webmaster@arat.iew.sed.monmouth.army.mil).

*Written by Mr. Eric Lee, ILEX Systems*

### *Need IT Equipment?*

A common problem faced by many EWOs is the lack of adequate Information Technology (IT) equipment to access ARAT Services. There is a program called the "IT Excess Catalog" that may help you resolve this issue. The following is copied from the "IT Excess Catalog" web page:

*"The* IT Excess Catalog is maintained and managed by the Defense Information Systems Agency's (DISA) Chief Information Officer and Defense Automation Resources Management Program (DARMP). DARMP's Redistribution Program provides an excellent opportunity for DOD and all Federal agencies to reduce IT acquisition and operating costs. All Federal organizations and Government contractors may acquire DOD excess IT commercial off-the-shelf (COTS) hardware and software through this program for the minimum cost of transportation, and any packing, crating, or special handling costs."

*The* IT Excess Catalog web site is for Department of Defense (DOD) users only and can be accessed at:

<http://www.disa.mil/cio/darmp/excess.html>

*Although* the ECB has not had the opportunity to fully examine the processes involved, we wanted to let you know that this service is available. If you try to obtain IT equipment through this organization and are successful (or not), please let us know and we'll let our readers know the value of this opportunity.

## For Your Information

### Coming Events!

<i>Event</i>	<i>Location</i>	<i>Date(s)</i>
<i>AAAA Annual Convention</i>	<i>Charlotte, NC</i>	<i>4-7 April 2001</i>

### *Now Available on the Web*

*All 20 previous issues of the "ARAT Bulletin" and the "A/IEW Bulletin" are now available on the ARAT web site. The issues are available in HTML format for on-line viewing, as well as in PDF and MS Word 97 format for viewing and downloading.*

*Future issues will also be posted on the site and in the same format. You are encouraged to download any issue (or issues) for local reproduction and distribution within your agency.*

*The ARAT web site can be accessed at <http://arat.iew.sed.monmouth.army.mil/>, or from a link on the A/IEW web site at <http://www.iew.sed.monmouth.army.mil/>.*

### *Help Us Help You*

*If you are moving, have moved, or your address is listed incorrectly on the mailing envelope, please call Ms. Tara Hurden at (732) 532-5319, DSN 992-5319; or email at [tara.hurden@mail1.monmouth.army.mil](mailto:tara.hurden@mail1.monmouth.army.mil) with the correct address. Many Bulletins are returned for incorrect addresses and unknown addressees. We would like to reduce the amount of returned mail and ensure that all of our customers receive the latest issue of the "A/IEW Bulletin". Thank you for your support.*

### *ARAT Rapid Reprogramming Communications Infrastructure Laboratory (R<sup>2</sup>CIL)*

#### Telephone:

*#1 (732) 532-9395  
DSN: 992-9395  
#2 (732) 532-9392  
DSN: 992-9392  
#3 (732) 532-1859  
DSN: 992-1859  
#4 (732) 532-5319  
DSN: 992-5319\* -or-  
(732) 530-7766 ext.: 318\* or 324\*  
\* Answering machine/voice mail option available at this number for after-hour messages*

#### Email:

*Unclassified:  
[webmaster@arat.iew.sed.monmouth.army.mil](mailto:webmaster@arat.iew.sed.monmouth.army.mil)  
SIPRNET:  
[webmaster@arat.army.smil.mil](mailto:webmaster@arat.army.smil.mil)*

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*Electronic Warfare Officers requiring Memory Loader/Verifier (MLV) reprogramming kits, copies of the "ARAT Software and Documentation Toolbox" CD or the "Mission Data Set Training" CD should contact either Ms. Fanny Leung-Ng (DSN: 312-992-1859/ CML: 732-532-1859) ([fanny.leung-ng@mail1.monmouth.army.mil](mailto:fanny.leung-ng@mail1.monmouth.army.mil)) or Ms. Tara Hurden (DSN: 312-992-5319/ CML: 732-532-5319) ([tara.hurden@mail1.monmouth.army.mil](mailto:tara.hurden@mail1.monmouth.army.mil)) or fax your requests to DSN: 312-992-8287/5238 or CML: (732) 532-8287/5238.*

## The A/IEW Community Key Points of Contact

Agency	Name/e-mail	Comm/DSN	Fax Number
Chief, A/IEW Division	Mr. Joseph Ingrao joseph.ingrao@mail1.monmouth.army.mil	(732) 532-0065 DSN 992-0065	(732) 532-8287 DSN 992-8287
Deputy Chief, A/IEW Division	Dr. Ihor Hapij ihor.hapij@mail1.monmouth.army.mil	(732) 532-8199 DSN 992-8199	(732) 532-5238 DSN 992-5238
Avionics Branch	Mr. Edward Wuysick edward.wuysick@mail1.monmouth.army.mil	(732) 427-3924 DSN 997-3924	(732) 427-3923 DSN 997-3923
Electronic Combat Branch ARAT-SE (CECOM)	Mr. Gary Clerie gary.clerie@mail1.monmouth.army.mil	(732) 532-1337 DSN 992-1337	(732) 532-5238 DSN 992-5238
GUARDRAIL Branch	Mr. Raymond Santiago raymond.santiago@mail1.monmouth.army.mil	(732) 532-1420 DSN 992-1420	(732) 532-8287 DSN 992-8287
Intelligence Fusion Branch	Mr. William Walker walker@huachuca-emh27.army.mil	(520) 538-6188 DSN 879-6188	(520) 538-7673 DSN 879-7673
SIGINT Branch	Mr. Robert Hart robert.hart@mail1.monmouth.army.mil	(732) 532-6253 DSN 992-6253	(732) 532-8287 DSN 992-8287
Sensors Branch	Mr. Frank Toth frank.toth@mail1.monmouth.army.mil	(732) 532-8353 DSN 992-8353	(732) 532-8287 DSN 992-8287
ARAT-TA (Eglin AFB)	Mr. Norman Svarrer svarrer@eglin.af.mil	(850) 882-8899 DSN 872-8899	(850) 882-9609 (C) -4268 (U) DSN 872-9609 (C) -4268 (U)
ARAT-TA (Kelly AFB)	SSG Edward L. Wiggins elwiggi@afwic.osis.gov	(210) 977-2021 DSN 969-2021	(210) 977-2145 DSN 969-2145
ARAT-SC (Fort Rucker)	Mr. George Hall hallg@rucker.army.mil	DSN 558-9334	DSN 558-1165

### The A/IEW Bulletin Staff

#### Editor-In-Chief

Mr. Joseph Ingrao, A/IEW Division

#### Editor

Mr. Joseph Skarbowski, ILEX Systems

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#### Distribution Manager

Ms. Tara Hurden, SRI, International

Send comments, changes of address,  
and articles to:

U.S. Army CECOM

Software Engineering Center

ATTN: AMSEL-SE-WS-AI

Fort Monmouth, NJ 07703

FAX: 992-5238 (DSN); 732-532-  
5238 (Commercial)